

## WHAT IS CLAIMED IS:

1. A method of managing data stored in a queue in memory, the method comprising:  
reading data from a head of the queue;  
5 updating the location of a latest read pointer to a location corresponding to the end  
of the data;  
transferring the data to a destination; and,  
upon receiving confirmation that the data transfer was successful, updating the  
location of a committed read pointer to a location corresponding to the end  
10 of the data.
2. A method as claimed in claim 1, further comprising:  
upon receiving no confirmation or a negative confirmation that the data transfer  
was successful;  
15 updating the location of the latest read pointer to assume the location of the  
committed read pointer.
3. A method according to either preceding claim, further comprising: storing the latest  
read pointer location and the committed read pointer location, and using the latest read  
20 pointer and the committed read pointer to manage data subsequently read from a second  
queue.
4. A method according to either of claims 1 and 2, further comprising:  
reading second data from the head of the queue;  
25 updating the location of a second latest read pointer to a location corresponding to  
the end of the second data;  
transferring the second data to the destination; and,  
upon receiving confirmation that the transfer of the second data was successful,  
removing the second latest read pointer from the location corresponding to  
30 the end of the second data.

5. A method as claimed in claim 1, further comprising:
- writing data to a tail of the queue;
  - updating the location of a latest write pointer to a location corresponding to the end of the data; and,
- 5 upon receiving confirmation that the received data is correct, updating the location of a committed write pointer to a location corresponding to the end of the data.

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